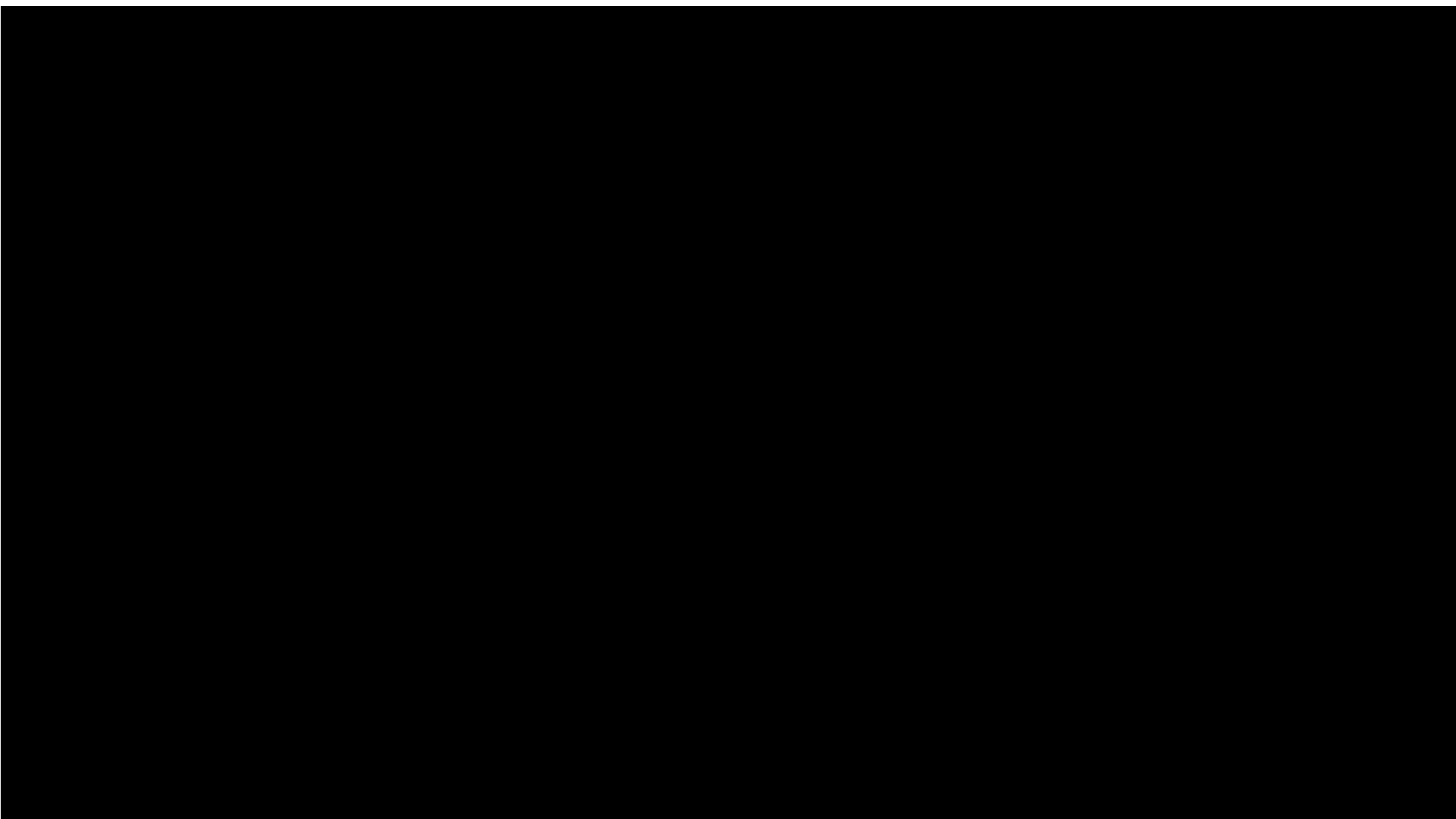




# Transbay Transit Center Program

## March 2017

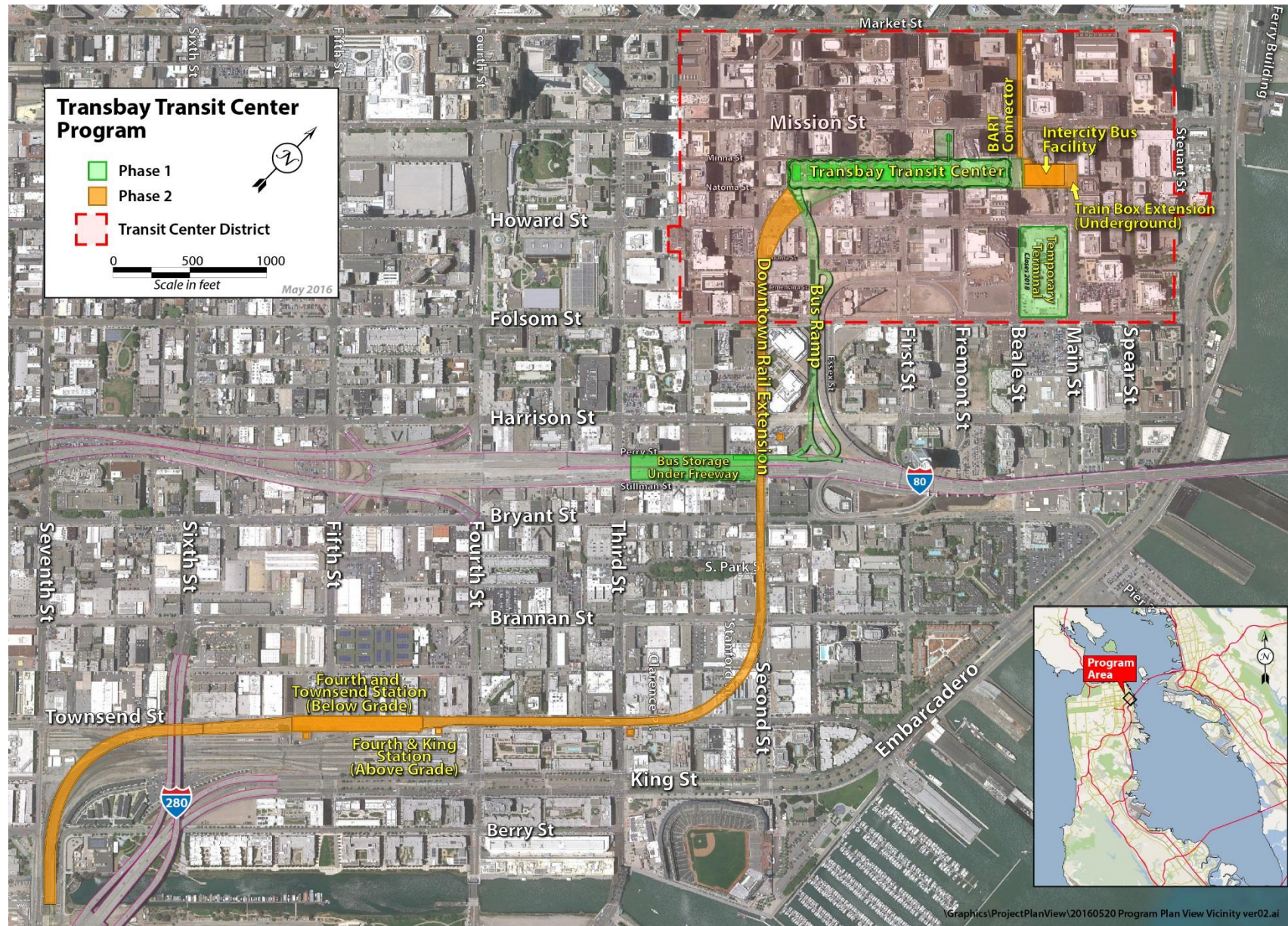








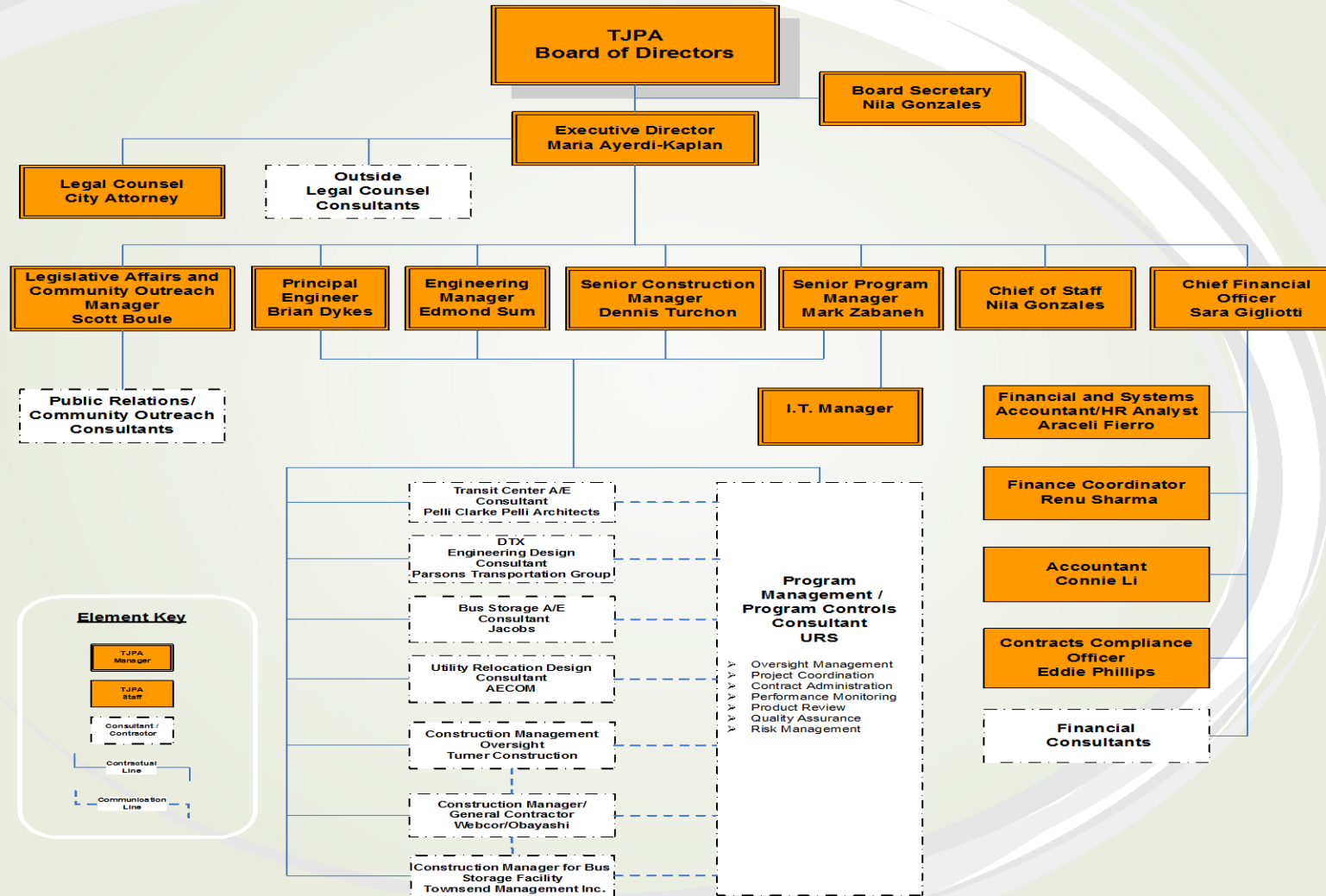
# Transbay Program





## TJPA Organization Chart

December 2015





# Transbay Transit Center

## Jobs Across the United States of America

As of November 30, 2016

### Washington

Thompson Metal, Vancouver  
Steel Columns & Transfer Girders  
Insulfoam, Puyallup  
Insulation  
McClean Iron Works, Everett  
Steel Frames

### Oregon

Marks Metal Tech, Clackamas  
Rolling & Metal Forming  
Oregon Sandblasting, Tualatin  
Metal Prep & Coating  
Oregon Iron Works, Clackamas  
Girders, Basket Columns  
American Steel/Lampros Steel, Portland  
Supply Steel Plates

### California

Gordau, Napa / San Diego/Long Beach  
Reinforcing Bars  
XKT Engineering, Vallejo  
Cruciform SLRS Vertical Members  
Bratton Masonry Inc., Fresno  
Masonry  
Mageba, San Jose  
Pendulum Bearings  
ISAT, La Mirada  
Seismic Anchors  
TWI, Los Angeles  
Curtain Wall Steel Frames  
Harris Rebar, Livermore  
Reinforcing Bars  
Pacific Erectors, Rocklin  
Metal Wall Panel System  
The Herrick Corp, San Bernardino  
WF Shape, SLRS Steel Members  
DYWIDAG-Systems, Long Beach  
Reinforcing Bars/HIS Rods  
NMI Industrial, Sacramento  
Steel for Stairs  
Desert Mechanical, Sylmar  
HVAC, Plumbing  
Mason Industries Inc, Anaheim  
Seismic bracing and Isolation  
Tiger Tanks, Bakersfield  
Fuel Tanks



### Nevada

Performance Pipe, Reno  
Geothermal System  
Southwest Specialty, Las Vegas  
Metal Ceilings

### Colorado

Rail Service Corp, Lakewood  
Transit Communications Systems  
Johns Manville, Denver  
Insulation Systems

### Arizona

Stinger Bridge & Iron, Coolidge  
Cable Stay Steel Plates  
Coyote Steel, Fountain Hills  
Steel Beams for Falsework  
Clayton National, Scottsdale  
Fireproofing  
Vinyltech Corp, Phoenix  
PVC Pipes

### Utah

Star Seismic, Salt Lake  
Seismic Braced Frames

### New Mexico

Insight, Rio Rancho  
LED Lighting

### Oklahoma

Hilti, Tulsa  
Firestop Products, Anchors

### Kansas

Bradken, Atchison  
Large Steel Shapes  
Viaga, Wichita  
Pipe Fittings  
G4S Technology, Omaha  
Security Systems  
Diamond Plastic, Grand Ills  
PVC Pipe

### Missouri

Bradken, St. Joseph  
Cast Nodes  
Milbank, Kansas City  
Junction Boxes  
Carboline, St Louis  
Performance Coatings  
H.E. Williams, Carthage  
Light Mountings  
Bull Moose Tube, Chesterfield  
Mechanical & Structural Tubing

### Minnesota

Innovent, Minneapolis  
Indoor Air Handling Unit  
Valspar, Minneapolis  
Extrusion Coatings  
Twin City Hose, Rogers  
Flexible Metal Hose

### Iowa

EFCO Corp, Des Moines  
Concrete Forms  
Elco Const., Decorah  
Metal Fasteners, Anchors  
Viking Pump, Cedar Falls  
Pumps

### Illinois

Delta Structures Inc, Addison  
Space Frame Design & Fab  
Scot Forge, Spring Grove  
Forged Pins  
Circle Metal Specialties, Alsip  
Custom Steel Design & Fab  
Allied Tube & Conduit, Harvey  
Rigid Steel  
Larson Engineering, Chicago  
Curtain Wall Engineering

### Kentucky

General Cable, Highland Heights  
Electrical Cable  
Republic Conduit, Louisville  
Electrical Conduit

### Michigan

Williams Form Eng, Belmont  
Supply HS Rods  
Ward Connector, Holland  
HVAC Components

### Indiana

Crown Corr, Gary  
Curtain Walls/Awning  
RACO, South Bend  
EMT Fittings  
Nibco, Elkhart  
Flow Control Products  
Thermafiber, Wabash  
Mineral Wool Insulation

### Wisconsin

Wisconsin Centrifugal, Waukesha  
Spun Cast Pipes  
Weil Pump Co, Cedarburg  
Water Heaters/Controls

### Ohio

Lincoln Electric, Euclid  
Welding Wire & Machines  
Metal Tek, Sandusky  
Spun Cast Pipe  
Artco, Hannibal  
Steel Plates  
The Dyson Corp, Painesville  
HS Rods  
Picoma Industries, Cambridge  
EMT Elbows, Steel Conduit  
Columbia Eng. Rubber, Vandalia  
Rubber Bellows  
ClarkDietrich, West Chester  
Steel Framing

### New Hampshire

Burndy, Manchester  
Pipe Compression Connections

### New York

Hohmann & Barnard, Hauppauge  
Waterproofing  
Watson Bowman Acme, Amherst  
Structural Sealing Joint System  
Karp Assoc Inc, Melville  
Access Doors  
Garlock, Palmyra  
Pipe Fittings/Gaskets

### Massachusetts

Berry Plastics, Franklin  
Waterproofing  
Sarnafil, Canton  
Waterproofing

### Rhode Island

APC, West Kingston  
Uninterrupted Power Supply

### Connecticut

Bridgeport, Stratford  
Electrical Fittings  
United Tech. Co., Farmington  
Security Systems  
Belimo, Danbury  
Actuators

### West Virginia

American Airworks, Sophia  
Breathing Air Systems

### Pennsylvania

Ward Mfg, Blossburg  
Pipe Fittings  
ArcelorMittal, Coatesville  
Steel Plates  
Chapel Steel, Pottstown  
Steel Plates  
ESAB, Hanover  
Welding Materials  
Wheatland Tube Co., Scranton  
Conduit Locknuts, Bushings  
PPG Industries, Pittsburgh  
Industrial Coatings

### New Jersey

Barrett Roofs, Millington  
Waterproofing  
Sika Corp, Lyndhurst  
Waterproofing

### Maryland

US Bulletproofing, Hyattsville  
Glass Doors  
Larsen Products, Jessup  
Concrete Bonding Agents  
ElSCO, Owings Mills  
Elevator Roller Guides

### Delaware

Evaz Claymont, Claymont  
Steel Plates

### N. Carolina

Schindler, Clinton  
Escalators

### Georgia

Nucor, Corfield  
Steel Plates  
Galvan Ind., Inc, Harrisburg  
Grounding Rods  
Austin Elec., Yadkinville  
Grounding Rods

### S. Carolina

Otis, Florence  
Escalators  
Apollo Valves, Pageland  
Valves

### Alabama

Reliable, Geneva  
Louvers  
Jay R. Smith Mfg, Montgomery  
Landscape Drainage  
US Pipe and Foundry Company  
Pipes

### Tennessee

Grace, Mount Pleasant  
Foundation Water Proofing

### Arkansas

Nucor-Yamato, Blytheville  
Steel Shapes  
GRT Robber Tech, Paragould  
Bearing Pads

### Texas

Encore Wire, McKinney  
Grounding Cable  
VSL, Fort Worth  
Cable Stay Bridge  
Joy Global, Longview  
Special Fabrication  
Wyman-Gordon, Houston  
Light Column Rings  
De Neef, Houston  
Waterstops

### Louisiana

Bradken, Amite  
Steel Shapes, Cast Nodes  
Gordon Incorp, Bossier City  
Metal Ceiling Design

### Florida

Berg Steel Pipe, Panama City  
Steel Shapes  
Trulite, Tamarac  
Laminated Glass  
Gunderlin, Hialeah  
Elevator Cabs

### Total Jobs Created

Local: 11,993\* | Beyond SF Bay Area: 5,897

\* Jobs created in the San Francisco Bay Area from demolition of the old Transbay Terminal, construction of the Temporary Terminal, Transbay Transit Center and, Bus Ramp.

### Off-site Jobs Created





**Phase 1**  
**Transbay Transit Center**  
**Project**



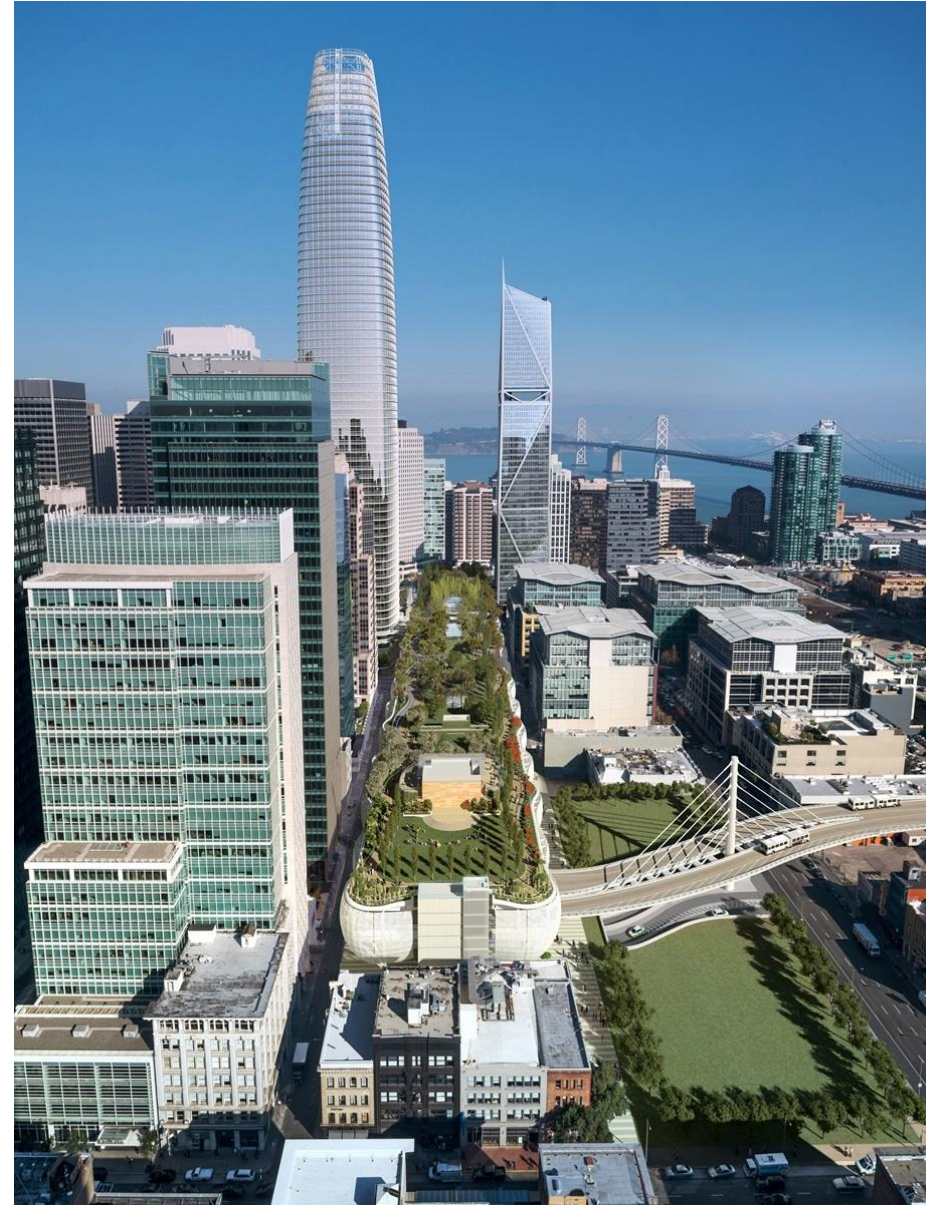
# Transbay Transit Center Project Project

Phase 1 - \$2.3B program

Scheduled opening 2017

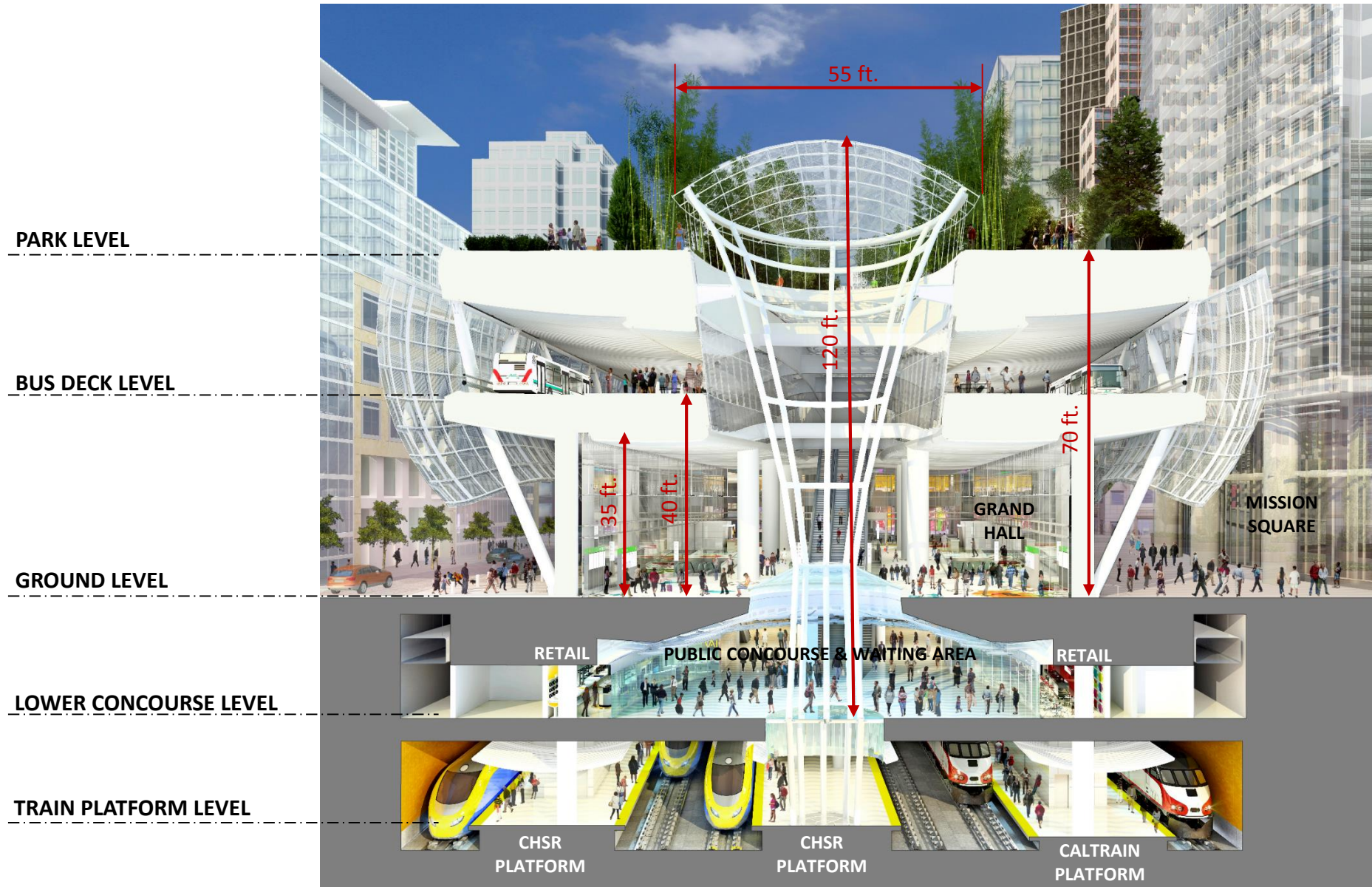
The Transit Center Building has three key architectural elements

- 5.4 Acre Roof-top-park
- Grand Hall with a 120' long light column extending from the park to the train platform
- And a unique undulating metal exterior awning

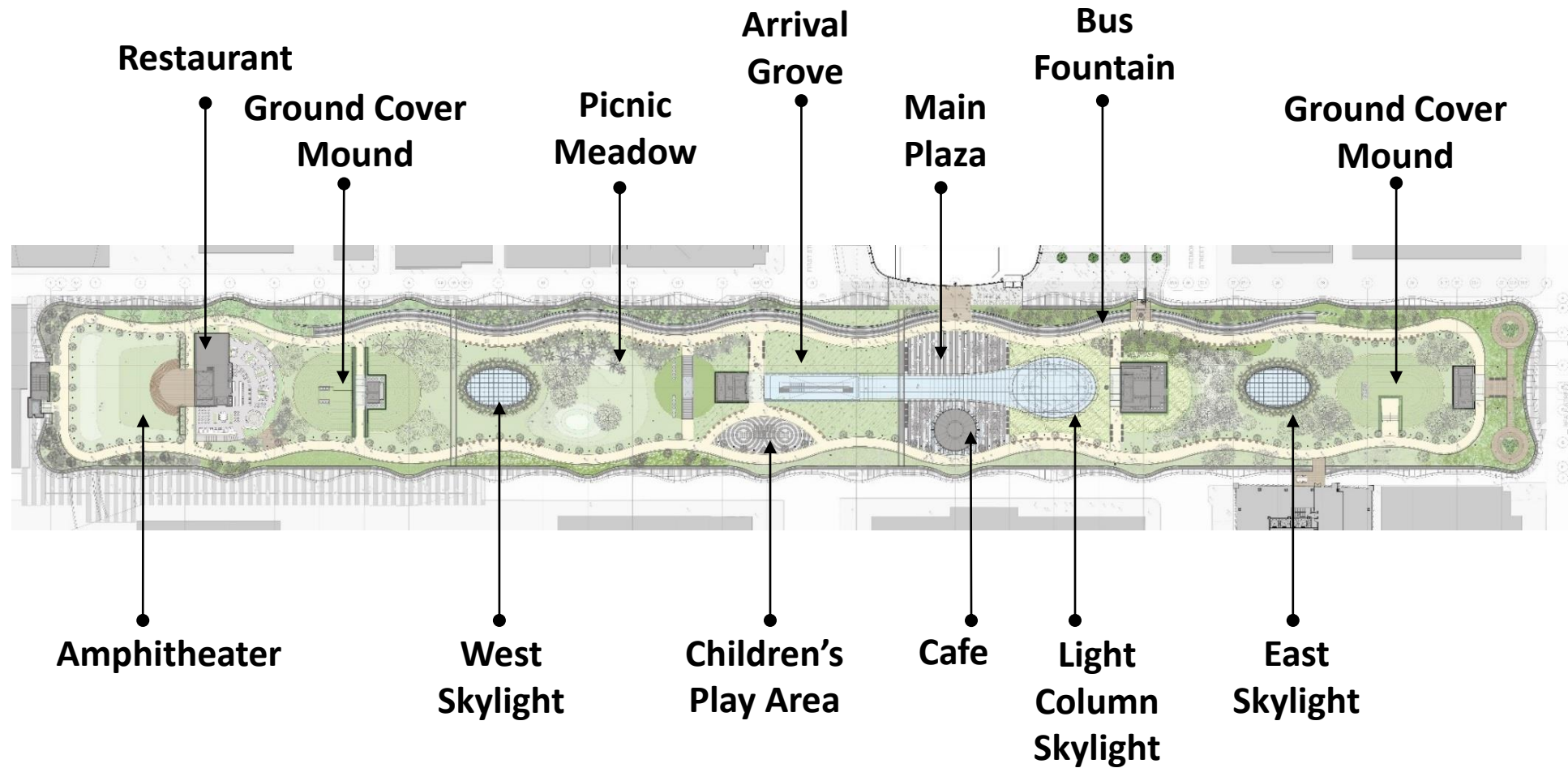




# Building Section

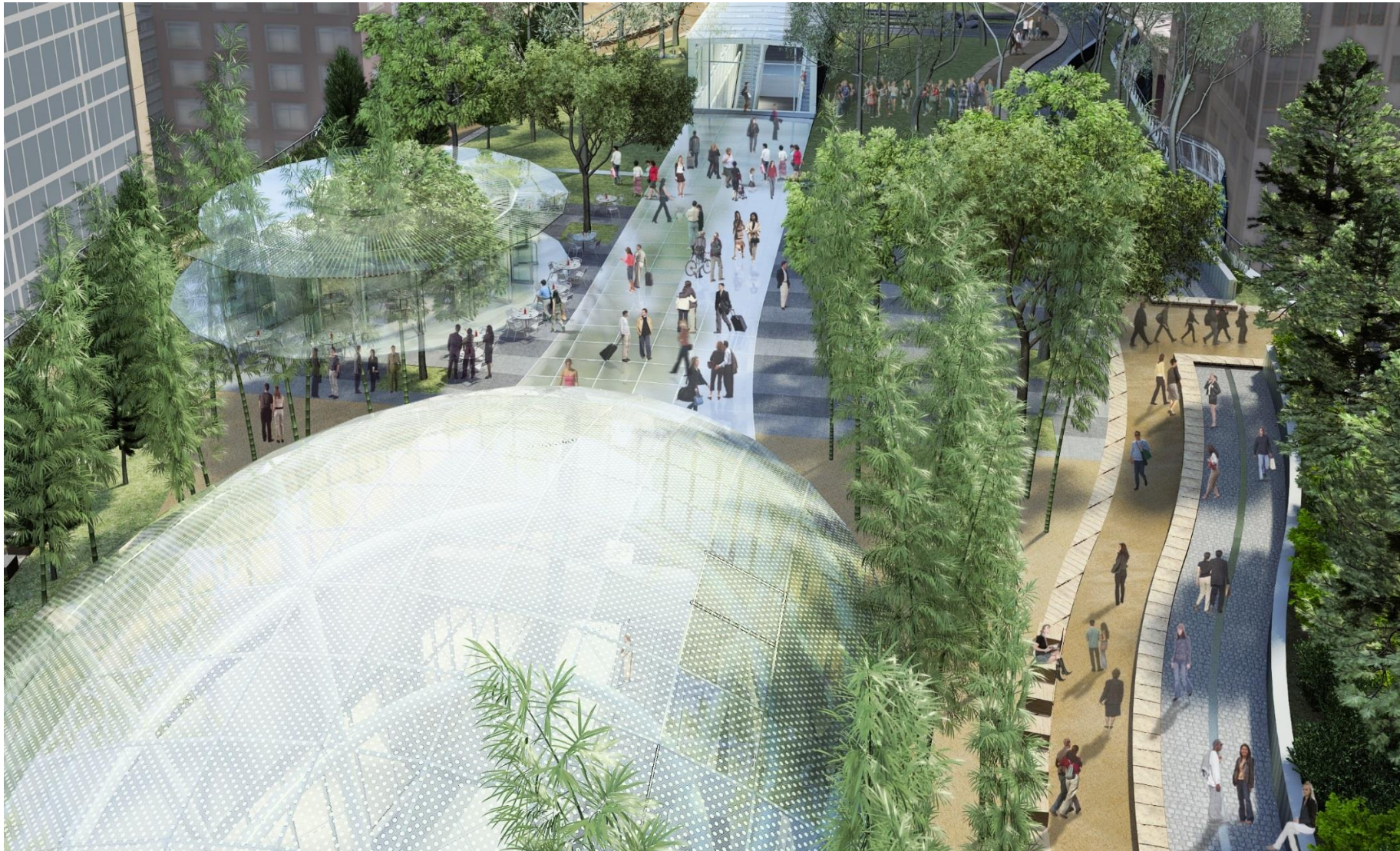


# Roof Park Plan





# Roof Park





# Roof Park





# Roof Park





# Roof Park Amphitheatre





# Roof Park Escalator Enclosure





# Roof Park Restaurant





# Bus Deck



# Grand Hall



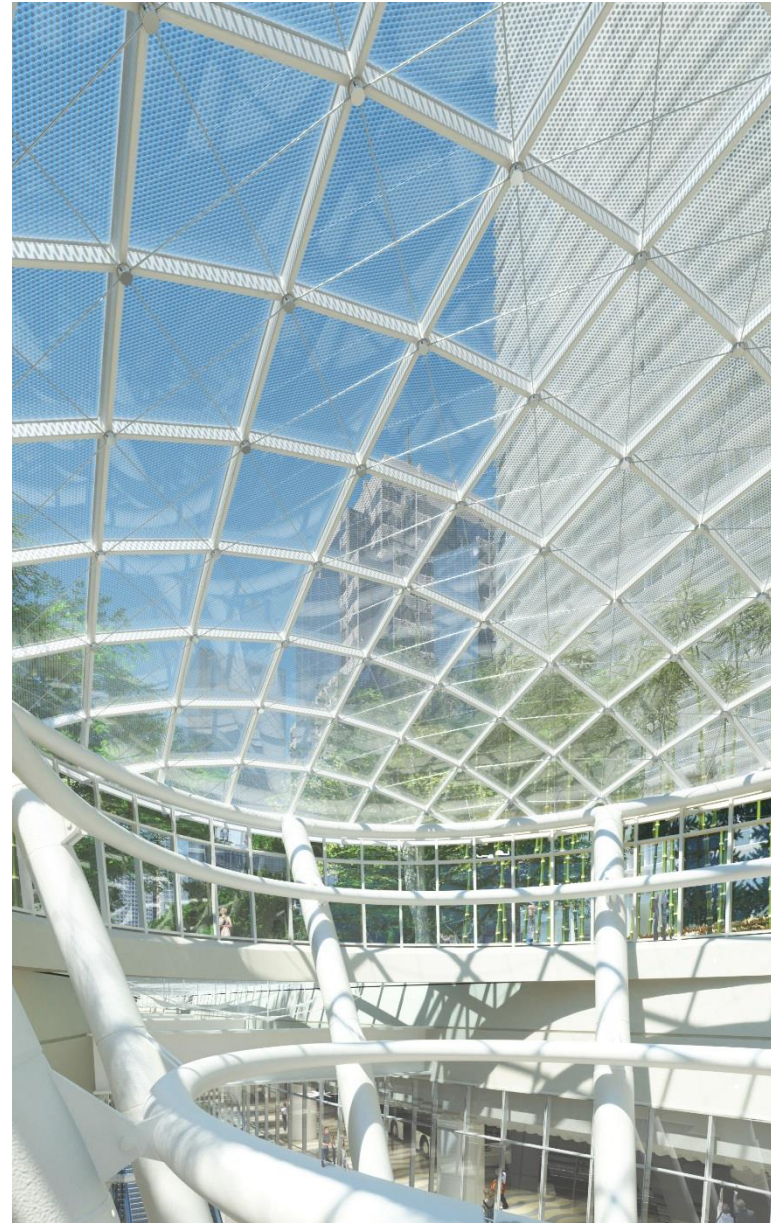


# Grand Hall





# Grand Hall Light Column





# Grand Hall Schedule Board





# Grand Hall Escalator





# Grand Hall Cafe





# Retail at Natomas St





# West Pedestrian Passage





# Retail at Shaw Alley





# Tim Hawkinson sculpture in Mission Square





# Awning - Penrose pattern





# Awning - Penrose pattern



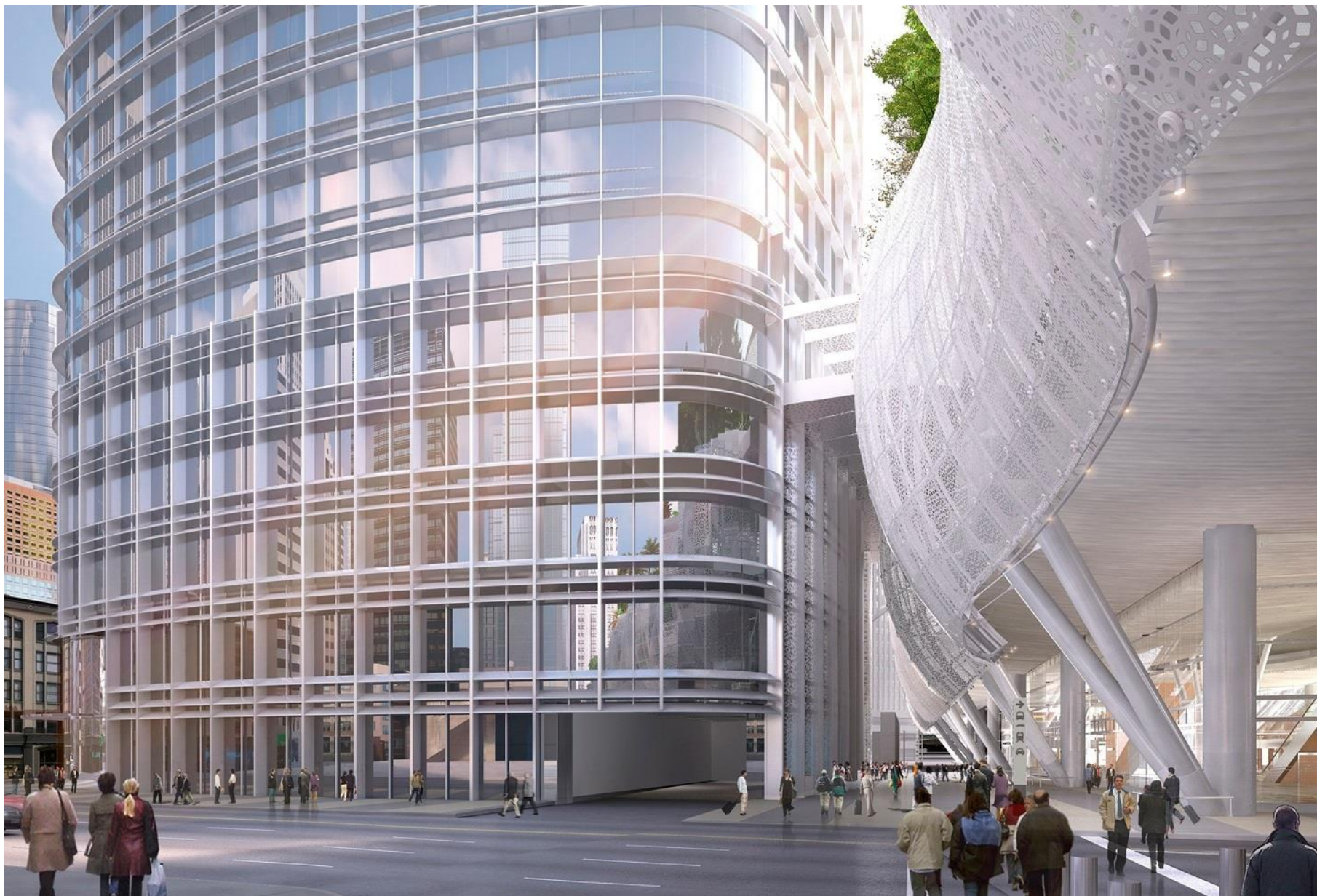


# First Street





# First Street





# Financing





**Construction**  
**Transbay Transit Center**  
**Project**



# Transbay Transit Center Project Construction

October 2010, Demolition of Transbay Terminal





# Transbay Transit Center Project Construction

## Quality Assurance/Quality Control Team





# Transbay Transit Center Project Construction

October 2011, CDSM Shoring Wall

Securing Soldier Pile





# Transbay Transit Center Project Construction

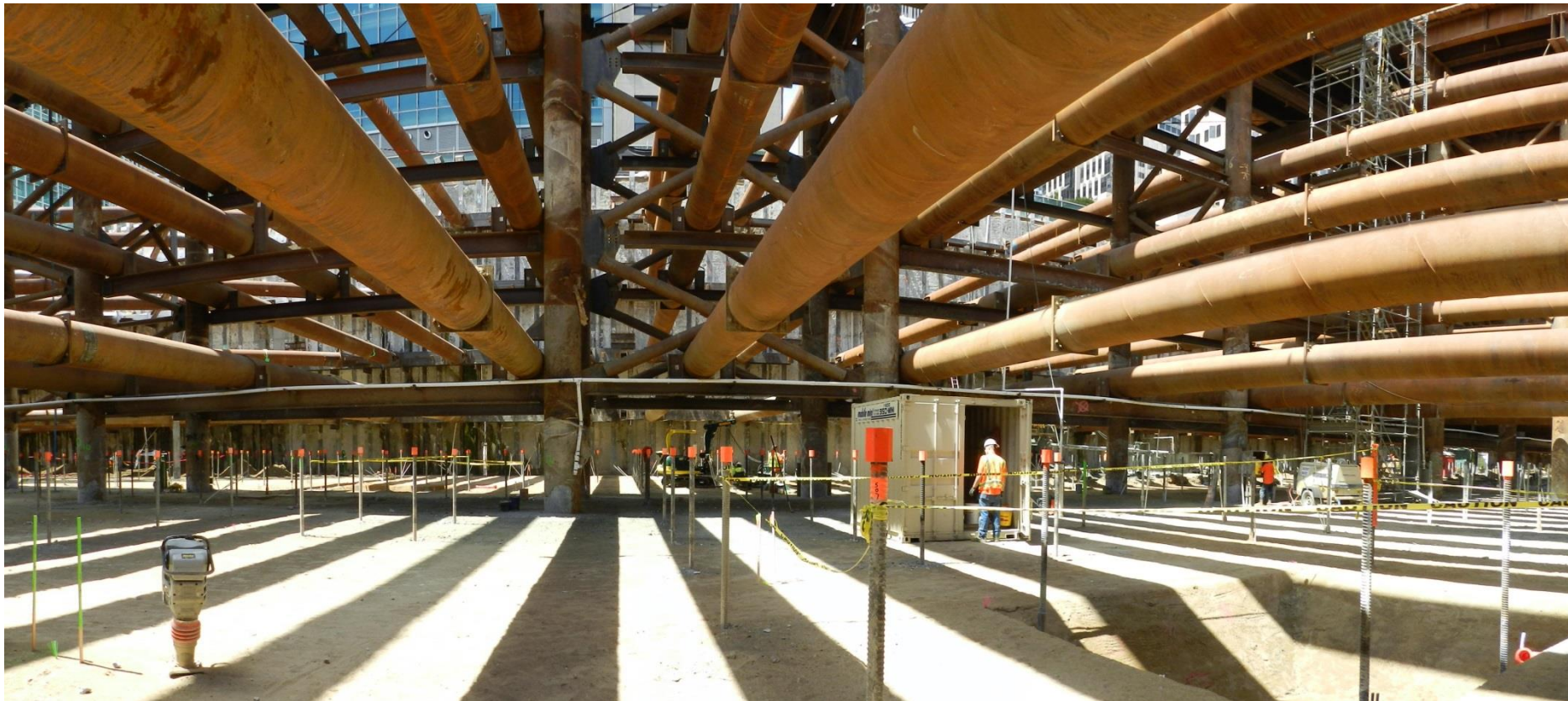
March 2012, Shoring Wall  
Welding Level "A" Walers





# Transbay Transit Center Project Construction

May 2013, Shoring System  
Zone 2 Bracing and Micropiles Complete

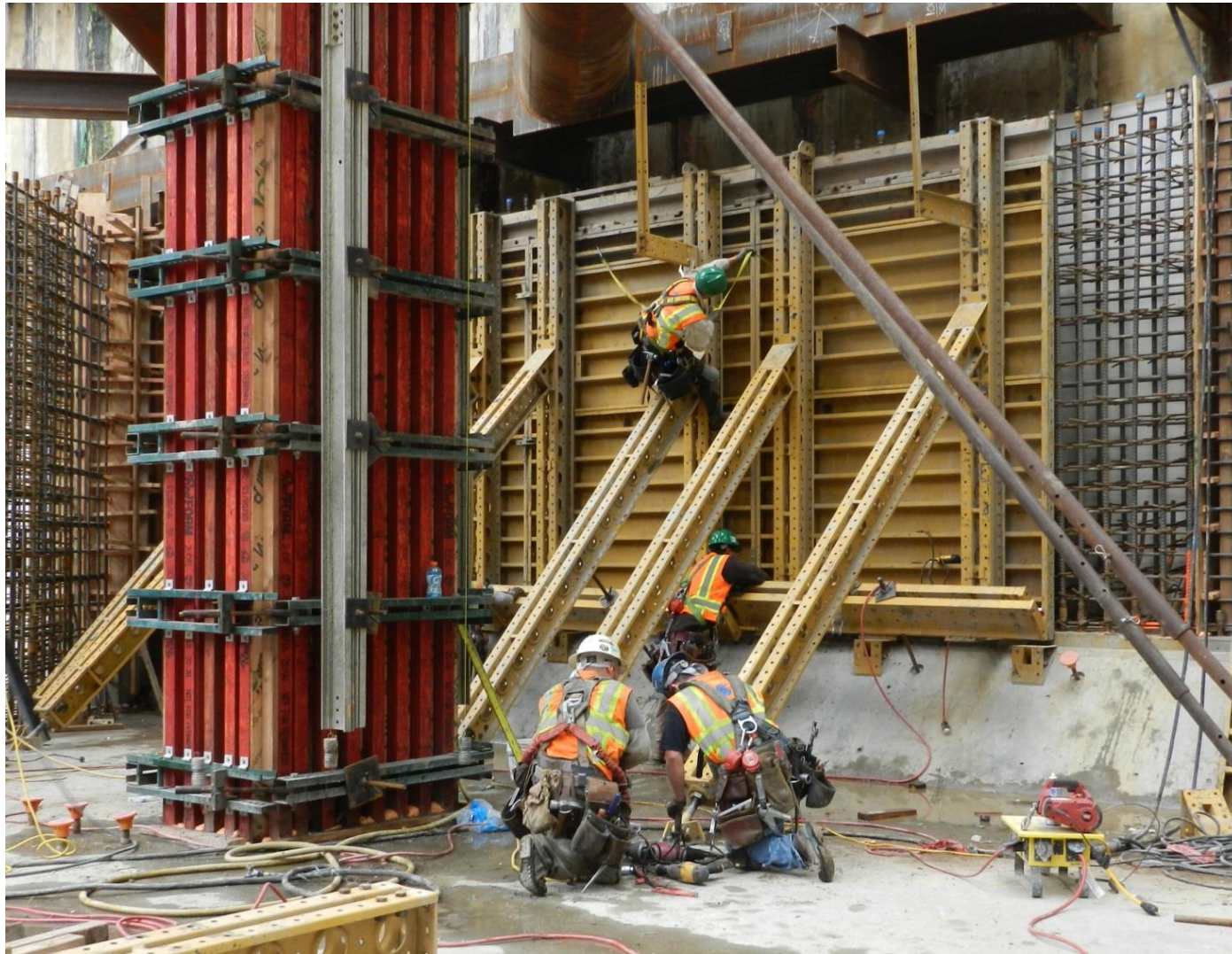




# Transbay Transit Center Project Construction

February 2014, Below Grade Structure

First Lift Wall Forms, West Wall





# Transbay Transit Center Project Construction

February 2015, Bus Ramp

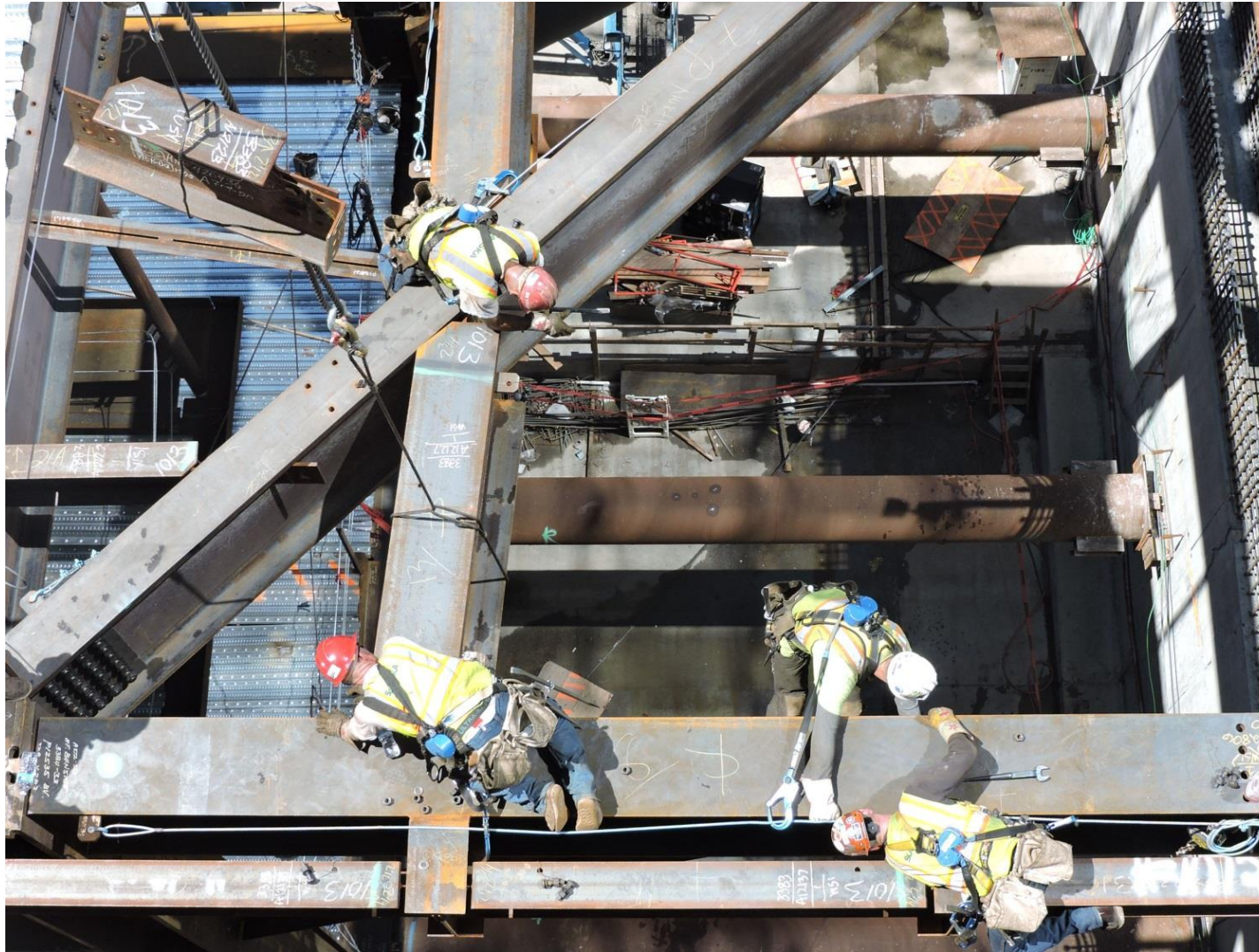
Inspecting Pylon 9 Rebar





# Transbay Transit Center Project Construction

April 2015, Superstructure Steel  
Assembling Ground Level Steel, West Zone





# Transbay Transit Center Project Construction

July 2015, Superstructure Steel  
Assembling Roof Level Steel, Central Zone





# Transbay Transit Center Project Construction

August 2015, Superstructure Steel  
Assembling Light Column, Central Zone





# Transbay Transit Center Project Construction

January 8, 2016, Superstructure Steel  
Topping Off Ceremony





# Transbay Transit Center Project Construction

January 25, 2016, Bus Ramp  
Frame 3 Deck Concrete Pour





# Transbay Transit Center Project Construction

March 8, 2016, Bus Ramp  
Frame 4 Soffit Form Work





# Transbay Transit Center Project Construction

March 30, 2016, Roof Park Concrete Pour  
West End





# Transbay Transit Center Project Construction

March 30, 2016, Train Box Lid Rebar  
West End





# Transbay Transit Center Project Construction

March 7, 2016, Penrose Awning Unveiling  
Center





# Transbay Transit Center Project Construction

April 26, 2016, Facade  
West of First Street

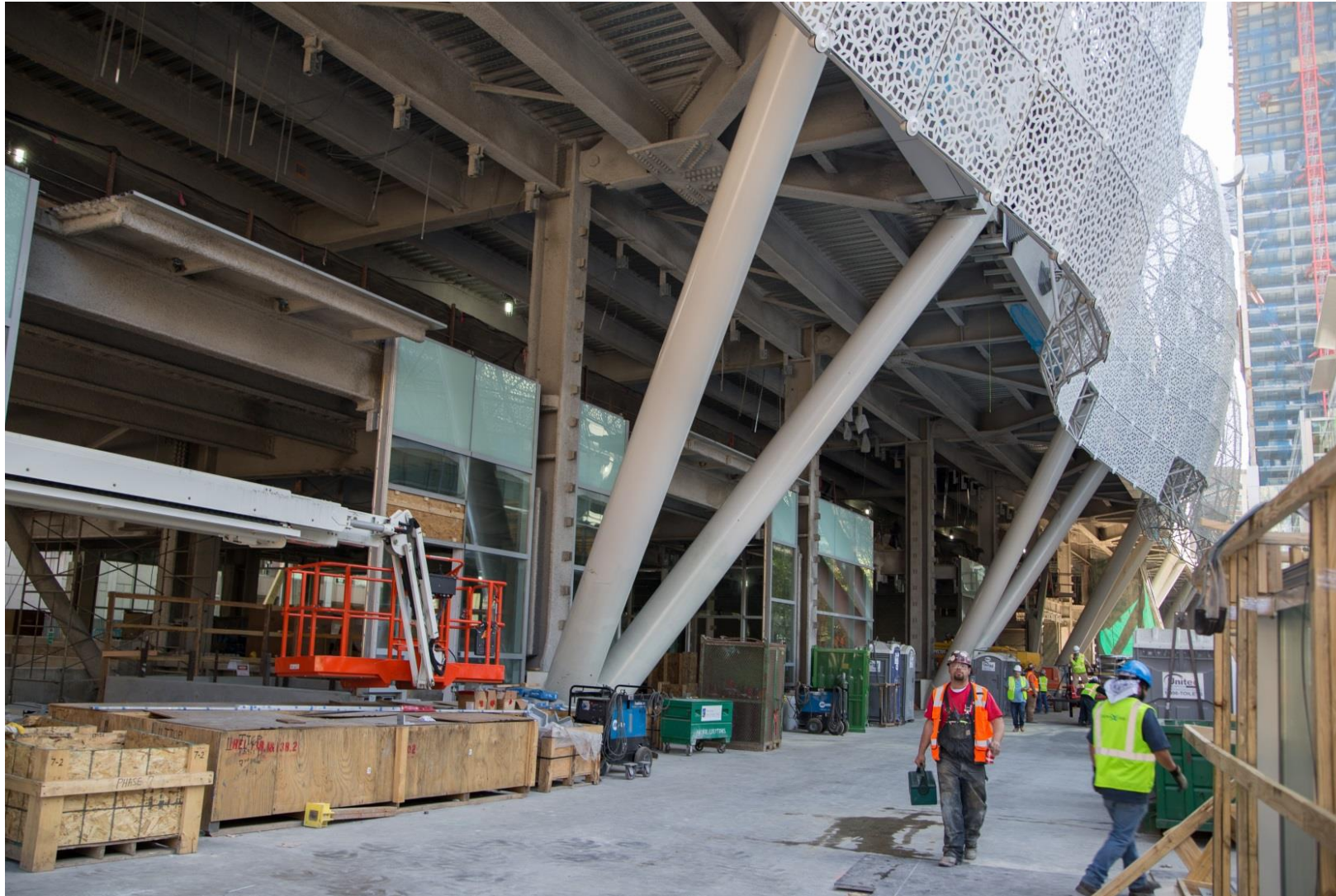




# Transbay Transit Center Project Construction

May 17, 2016, Façade and Curtain Wall

West of First Street





# Transbay Transit Center Project Construction

June 30, 2016, Curtain Wall

East of First Street





# Transbay Transit Center Project Construction

July 28, 2016, Park Deck Parapet Walls

Beale Street





# Transbay Transit Center Project Construction

August 29, 2016, Cable Installation

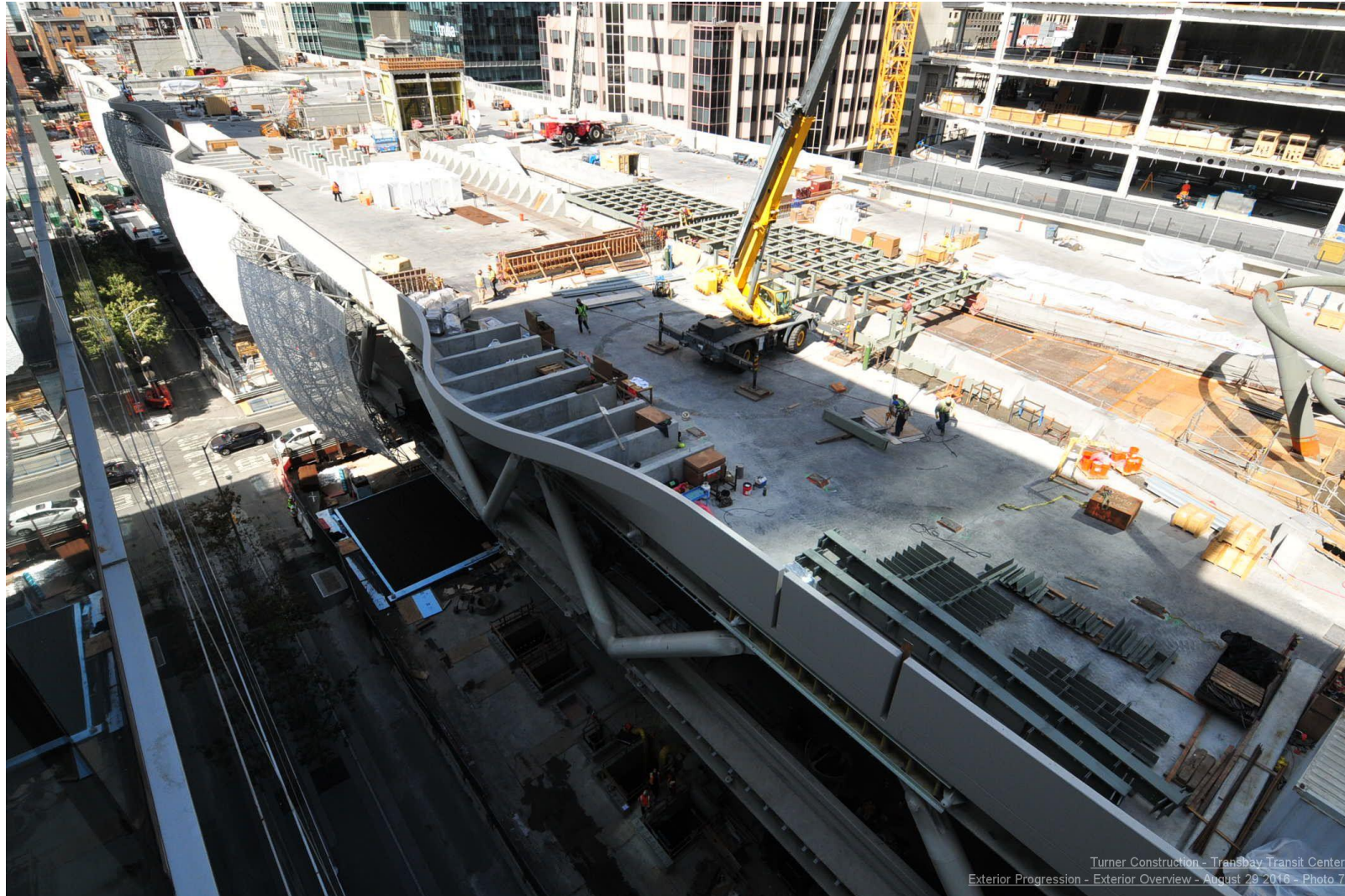
Bus Ramps





# Transbay Transit Center Project Construction

August 29, 2016, Glass Floor  
Park Level



Turner Construction - Transbay Transit Center  
Exterior Progression - Exterior Overview - August 29 2016 - Photo 7



# Transbay Transit Center Project Construction

September 6, 2016, Façade

First Street





# Transbay Transit Center Project Construction

September 28, 2016, Bus Deck Curbs





# Transbay Transit Center Project Construction

October 1, 2016, Waterproofing  
Rooftop Park





# Transbay Transit Center Project Construction

November 7, 2016, Western Skylight Framing  
Rooftop Park





# Transbay Transit Center Project Construction

December 19, 2016, Cable Stay Bridge  
Bus Ramps





# Transbay Transit Center Project Construction

January 23, 2017, Western Skylight Glazing  
Rooftop Park





# Transbay Transit Center Project Construction

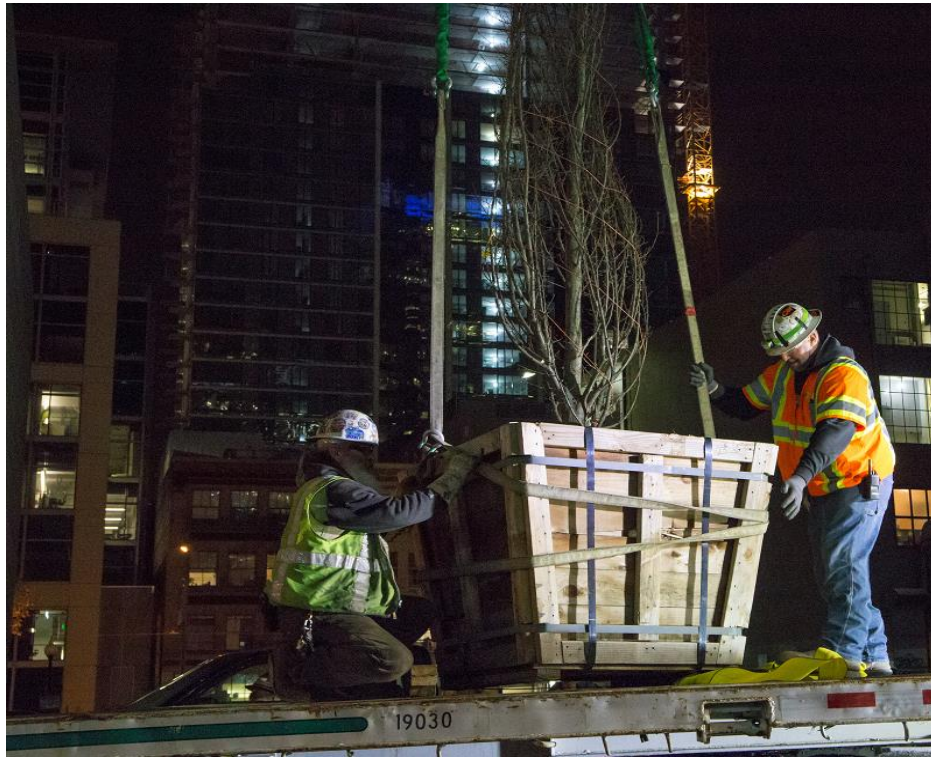
January 23, 2017, Skylight Glazing  
Rooftop Park





# Transbay Transit Center Project Construction

January 23, 2017, Tree Delivery  
Rooftop Park







**Maria  
Ayerdi  
Contact:  
LinkedIn**

**Thank you!**